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CASTLE DONINGTON

RURAL DISTRICT COUNCIL

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

for the year 1954



T. M. MONTFORD

MEDICAL OFFICER OF HEALTH

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Public Health Department,
Council Offices,
CASTLE DONINGTON.

8th August, 1955.

TO THE CHAIRMAN,
AND MEMBERS OF THE
CASTLE DONINGTON RURAL
DISTRICT COUNCIL

MR. CHAIRMAN, LADIES AND GENTLEMEN,

It gives me pleasure to submit my Annual Report for 1954. The report follows the general lines laid down in the advice of the relevant Ministry of Health Circulars and deals with the public health matters coming within my responsibility. Statistics are, of course, included, and the ones I have used will interest you.

Our several water supplies have been chemically and bacteriologically satisfactory and copies of reported examinations are appended.

One hundred and fifteen children were immunised against diphtheria - five less than in 1953. As we can expect one hundred and forty five, or more, births each year, circumstances fraught with potential danger may one day arise if this level of immunisation is not raised.

Only sixty-five notifications of infectious disease were received. This was a great improvement on the customary figure. In 1953, when we had epidemics of whooping cough and measles, there were three hundred and sixty eight.

The vital statistics tables show that our death rate and birth rate were better than the rates for England and Wales. Our death rate was 8.5 per thousand of the population. That of England and Wales was 11.3. The birth rate of 15.59 compared with 15.2 for the whole country. The two rates were also better than the figures of 1954. As there was only one death among children under one year of age our infantile death rate was very low, but comparison of this figure with the figures for England and Wales would be misleading, as our rate, relating to such a small population, is subject to sharp fluctuation. Nevertheless our annual average rate is a low one.

Once again there was no maternal death.

I would like to record my grateful thanks to my colleagues of the Public Health Department for their loyal services.

I am,

Your obedient servant,

T. M. MONTFORD,

Medical Officer of Health.

MEMBERS OF THE COUNCIL

CHAIRMAN

W.S. Barnett Esq. J.P.

VICE CHAIRMAN

L.G. Toms Esq.

CHAIRMAN OF THE PUBLIC HEALTH AND GENERAL PURPOSES COMMITTEE

S.J. Hardy Esq. J.P.

CHAIRMAN OF THE HOUSING COMMITTEE

A. Moore Esq.

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A. Moore Esq.
Captain C.F. Shields M.C.
W.H. Snape Esq.
J.N. Spalton Esq.
W.E. Smith Esq.
L.G. Toms Esq.
J.R. Woodward Esq.

All Councillors are members of the Public Health Committee.

PUBLIC HEALTH OFFICERS

MEDICAL.

T.M. Montford, M.B. Ch.B. Glas.
Medical Officer of Health (Part time)

SANITARY INSPECTORS.

E.N. Pearson, Certificate of the Royal Sanitary Institute and Sanitary Inspectors' Joint Board.
Certificate for Inspection of Meat and Other Foods Royal Sanitary Institute.
Certificate Sanitary Science Liverpool University.
Surveyor, Sanitary Inspector and Housing Manager.

B.G. Pember. Certificate of the Royal Sanitary Institute and Sanitary Inspectors' Joint Board.
Certificate for Inspection of Meat and Other Foods Royal Sanitary Institute.
Additional Sanitary Inspector.

ZYMOTIC DISEASES

IN THE VILLAGES COMPRISING THE

RURAL DISTRICT

YEAR 1954

Village	Measles	Scarlet Fever	Whooping Cough	Pneumonia	Erysipelas	Puerperal Pyrexia	Total
Breedon-on-the-Hill	-	3	-	2	-	-	5
Castle Donington	-	6	7	8	1	1	23
Charley	-	1	-	-	-	-	1
Diseworth	-	-	2	3	-	-	5
Hemington	-	-	15	-	-	-	15
Isley Walton	1	2	-	-	-	-	3
Kegworth	-	-	-	4	-	-	.4
Lockington	-	1	5	-	1	-	7
Long Whatton	-	-	2	-	-	-	2
Total	1	13	31	17	2	1	65

No notifications of ophthalmia neonatorum were received.

ZYMOTIC DISEASES

NOTIFICATION RATES PER 1,000 POPULATION

Notifications	Castle Donington Rural District Council	England and Wales		
Primary Pneumonia	1954 1.68	1953 2.21	1954 0.55	1953 0.84
Scarlet Fever	1.28	2.41	.97	1.39
Erysipelas	.20	.31	0.12	0.14
Whooping Cough	3.06	14.16	2.39	3.58
Measles	0.01	17.88	3.32	12.36
Poliomyelitis Paralytic Non-paralytic	- -	- -	.03 .01	.07 .04
Puerperal Pyrexia	0.01	-	1.33	18.23
Diphtheria	-	-	.01	.01
Paratyphoid	-	-	.01	.01

DIPHTHERIA IMMUNISATION

NUMBER OF CHILDREN IMMUNISED

during the Period 1st January to 31st December, 1954.

Age at 31/12/54 (Born in year)	Under 1 1954	1 1953	2 1952	3 1951	4 1950	5 1949	6 1948	7 1947	8 1946	9 1945	10 1944	11 1943	12 1942	13 1941	14 1940
Primary Immunisation	9	79	12	3	2	2	3	-	-	1	1	2	1	-	-
Booster Injection	-	-	-	-	5	52	10	2	2	1	-	1	-	-	-

This table was supplied by the County Medical Officer of Health.

One hundred and fifteen children were immunised against diphtheria during the year.

Seventy-three children received a re-inforcing dose.

VITAL STATISTICS

CIVILIAN POPULATION

10,130

COMPARABILITY FACTORS

<u>Births</u>	1.06
<u>Deaths</u>	0.99

LIVE BIRTHS

	M.	F.
Total	72	77
Legitimate	69	73
Illegitimate	3	4

STILL BIRTHS

	M	F
Total	2	2
Legitimate	2	2
Illegitimate	-	-

DEATHS OF INFANTS UNDER ONE YEAR OF AGE

	M	F
Total	-	1
Legitimate	-	-
Illegitimate	-	1

Actual Birth and Death Rates are multiplied by the appropriate Comparability Factor so that figures are obtained which are corrected for disproportion in the age and sex groupings.

DISTRICT FIGURES.

Area in Acres	23,743
Estimated Population	10,130
Number of Inhabited Houses	2,919
Rateable value	£42,263
Product of 1d. Rate	£159

DEATH RATES

PER 1,000 OF THE POPULATION

Diseases	Castle Donington Rural District Council	England and Wales	Great Towns	Small Towns
All Causes	8.50	11.3	12.0	11.3
Tuberculosis	-	0.18	0.21	0.17
Influenza	0.10	0.05	0.04	0.05
Pneumonia	0.20	0.48	0.50	0.49

BIRTH RATES

PER 1,000 OF THE POPULATION

Live Births (Corrected)	15.59	15.2	16.8	15.4
Still Births Total Live and Still Births	26.1	23.4	25.6	22.3

DEATH RATE

PER 1,000 LIVE BIRTHS UNDER ONE YEAR

	7.1	25.5	29.1	23.7
--	-----	------	------	------

Maternal Death Rate - Nil.

H O U S I N G

During 1954 forty houses were erected, twenty-four by the Council. The Rural District have, since the war, built a total of three hundred and sixty.

The table below, which does not include temporary prefabricated bungalows, illustrates that we have built a comparatively high proportion of houses per thousand of the population.

EXTRACT FROM HOUSING RETURN

FOR ENGLAND AND WALES

POST WAR HOUSES COMPLETED ON 31st DECEMBER, 1954.

Rural Districts - Leicestershire

	<u>Population</u>	<u>No. of New Houses Completed.</u>	<u>No. per 1,000 of Population</u>
Ashby-de-la-Zouch	13,800	384	27.8
Barrow-on-Soar	49,200	1,402	28.5
Billesden	7,900	241	30.5
Blaby	39,800	925	23.2
<u>CASTLE DONINGTON</u>	<u>10,130</u>	<u>+ 340</u>	<u>33.6</u>
Lutterworth	11,900	364	30.6
Market Bosworth.	26,800	843	31.5
Melton & Belvoir	18,700	429	22.9
Market Harborough	10,000	364	36.4

+ These figures are given for comparison.

ARTICLE 31, OF THE HOUSING CONSOLIDATED REGULATIONS, 1925

Inspections for Closing Orders	Nil
Inspections under Section 11	6
Inspections under Section 18	Nil
Number of houses dangerous or Injurious to Health	6 Ø
Closing Orders made	Nil
Number in which defects remedied without Closing Orders	Nil
Number made fit after Closing Orders	Nil

Ø Scheduled for demolition.

WATER SUPPLY

Samples of water taken from piped supplies in various districts in the area were all found, after bacteriological examination, to be suitable for domestic use.

Reports from the supplying authorities are shown in the following pages.

PARTICULARS OF WATER SUPPLIES

FROM PUBLIC MAINS.

Parish	No. of Houses 1953	Houses 1954	Direct 1953	1954	Standpipes	Private Supply	Well Supply
Castle Donington	975	975	923	932	26	-	17
No. 4 Site	10	9	10	9	-	-	-
Kegworth	832	846	792	810	18	-	18
Belton	197	198	173	176	2	-	20
Breedon-on-the-Hill	234	234	209	211	-	7	16
Charley	81	81	-	-	-	-	81
Isley-cum-Langley	26	26	11	11	-	-	15
No. 1 Site	7	4	7	4	-	-	-
Lockington/Hemington	161	171	140	155	-	-	16
Long Whatton }	372	375	166	175	14	-	49
Diseworth)			114	117	-	-	20
Total	2,895	2,919	2,545	2,600	60	7	252

POPULATION

Parish	Estimated Population	Direct	Standpipes	Private Supply	Well Supply
Castle Donington	3,560	3,449	52,	-	59
No. 4 Site	34	34	-	-	-
Kegworth	2,820	2,719	38	-	63
Belton	653	571	10	-	72
Breedon-on-the-Hill	799	718	-	24	57
Charley	409	-	-	-	409
Isley-cum-Langley	102	44	-	-	58
No. 1 Site	16	16	-	-	-
Lockington/Hemington	516	466	-	-	50
Long Whatton }	1,221	565	14	-	156
Diseworth)		379	47	-	60
Total	10,130	8,961	161	24	984

These figures do not include the National Service Hostel, Castle Donington, where the huts were in intermittent occupation.

WATER SUPPLY OBTAINED FROM THE LOUGHBOROUGH CORPORATION

REPORT FROM MR. W. GRANGER, A.M.Inst.C.E.

BOROUGH SURVEYOR AND WATER ENGINEER,

LOUGHBOROUGH.

Monthly samples of water supplied to this area were taken for bacteriological examination during the twelve months ending December 31st, 1954. In addition samples were taken for full Analysis on the 29th June and the 30th December, 1954. All were reported as being satisfactory, and I set out below copy of the full report taken on the 30th December, 1954 :-

THE COUNTIES PUBLIC HEALTH LABORATORIES, LONDON, S.W.1.

Analysis of a sample of water received 30.11.54, from Loughborough Corporation. Labelled Messrs. Fuller & Hambly Ltd. Hathern - Blackbrook filtered water.

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright		
Colour	22	Turbidity	Nil
pH	7.4	Odour	Nil
Electric Conductivity	305	Free carbon dioxide	4
Chlorine present as chloride ...	16	Total Solids	205
Hardness: - Carbonate	70	Alkalinity as calcium carbonate.....	70
- Non-carbonate	80	Nitrite nitrogen	Absent
- Total	150	Oxygen absorbed	2.7
Nitrate Nitrogen	1.8	Residual Chlorine	Absent
+ Ammoniacal	0.005		
+ Albuminoid Nitrogen	0.12		
Metals - Iron	0.08,		
Other metals absent.			
+ To convert to Ammonia multiply by 1.21.			

BACTERIOLOGICAL RESULTS.

Sampling bottles are treated to remove residual chlorine if present.

Number of colonies { 1 day at 37° C. 2 days at 37° C. 3 days at 20° C.
developing on agar. 48 per ml. 80 per ml. 170 per ml.

Presumptive Coli-aerogenes Reaction	Present in - ml.	Absent from 100 ml.	Probable number 0 per 100 ml.
Bact. Coli (Type 1)	- ml.	100 ml.	0 per 100 ml.
Cl. welchii reaction	100 ml.	10 ml.	

This sample is clear and bright in appearance, just on the alkaline side of neutrality and free from metals apart from a negligible trace of iron.

The water is moderately hard in character and contains no excess of salinity or mineral constituents in solution.

Colour is noticeable but not marked and organic and bacterial purity are satisfactory.

The water is considered wholesome in character and suitable for drinking and domestic purposes.

10 (Signed) Gordon Miles.

LONG EATON URBAN DISTRICT COUNCIL

REPORTS BY DERBYSHIRE COUNTY BACTERIOLOGIST ON WATER IN THE NEW RESERVOIR,

CASTLE DONNINGTON

Date of Report	Age in Hours	Cl. Welchii	Presumptive Coliform Count. Probable number of coliform bacilli present per 100 ml.	Differential Coliform test. Probable number of Faecal B. Coli per 100 ml.	Remarks	Bacteriologically the sample of water for drinking purposes is
<u>1954</u>						
Jan. 21	1 $\frac{1}{4}$	Not done	Nil	---	---	Suitable
Feb. 17	1 $\frac{3}{4}$	Not done	Nil	---	---	Suitable
Mar. 24	1 $\frac{1}{2}$	Not done	Nil	---	---	suitable
Apr. 23	1 $\frac{1}{4}$	Not done	Nil	---	---	Suitable
May 26	1 $\frac{1}{4}$	Not done	Nil	---	---	Suitable
June 23	1 $\frac{1}{2}$	Not done	Nil	---	---	Suitable
July 21	1 $\frac{1}{4}$	Not done	Nil	---	---	Suitable
Aug. 25	1 $\frac{1}{2}$	Not done	Nil	---	---	Suitable
Sep. 22	1 $\frac{1}{2}$	Not done	Nil	---	---	Suitable
Oct. 20	$\frac{3}{4}$	Not done	Nil	---	---	Suitable
Nov. 24	2	Not done	Nil	---	---	Suitable
Dec. 22	2 $\frac{1}{2}$	Not done	Nil	---	---	Suitable

DERWENT WATER SUPPLIED BY LEICESTER CITY CORPORATION

REPORT FROM MR. HAL WALLHOUSE, A.M.I.C.E., M.I.W.E.

WATER ENGINEER AND MANAGER TO CITY OF LEICESTER

Intensified sampling for chemical bacteriological analyses of water, both from the Derwent Valley Water Board and from local resources has been continued throughout the year.

Briefly the particulars about sampling of the Derwent water are :-

(a) Sawley Meter House

Samples from the mains have been taken daily throughout the year, subjected to the presumptive test for B. Coli and every analysis has shown negative results.

(b) At Hallgates.

Samples have been taken three times a week and subjected to an extended chemical and bacteriological examination by the City Analyst, Mr. F.C. Bullock, B.Sc., F.R.I.C.

The results over the year have been consistently good, with no presumptive B. Coli.

Typical figures from the last analysis of the year on samples taken on the 31st December, 1954 are :-

pH	7.3
Nitrite0001
Residual Chlorine ...	Trace
Plate Count at 37° C.	Nil
Colour	7
Chloride	11
Coliform Organisms ..	Nil

SEWERAGE.

During the last month of the year, contractors commenced work on the extension to the Castle Donington sewerage and sewage disposal works.

The Ministry approved a scheme for improvements at the Kegworth Works, which will include for increased settling infiltration capacity and automatic pumps.

FOOD PREMISES

Type	Number in District	Number of Inspections
Butchers' Shops	8	19
Premises selling Pre-packed Icecream	23	28
Manufacture of Icecream	1	3
Cafes	9	18
Fried Fish Shops	3	9
Bakehouses	4	6
Milk Distributors	15	12

The following is a list of foodstuffs condemned during the year :-

Commodity	Condition	Amount
M. of F. Frozen Egg	Decomposed	2 x 14 lbs
Beef	Bone Taint	178 lbs
Beef	Bone Taint	91 lbs
Danish Pork	Blown	3 x 12 oz. tins
Crawfish	Blown	1 x 6½ oz. tin
Ox Tongue	Decomposition	3 lbs
Fray Bentos Corned Beef	Rusted and Decomposed	1 x 6 lbs
Corned Beef	Blown	1 x 6 lbs
Corned Beef	Punctured	1 x 6 lbs
Cheese English	Cheesemite	2½ lbs

Disposal of the above is by collection and burial on the Council's controlled tips.

Meat.		
Bovine carcases of which some part or organ was condemned	All Diseases except Tuberculosis	
Sheep - do -	"	1,254 lbs
Pigs - do -	"	78 lbs
Bovine - do -	Tuberculosis only	60 lbs
Pigs - do -	" "	3,016 lbs
		313 lbs

Condemned meat is dyed 'Green' in accordance with the recommendations of the Ministry, and disposed of to a recognised breeder of maggots outside the district.

Regular collections are made at slaughter-houses by the breeder's own vehicle, and in this way accumulation of condemned material is avoided.





